

AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Currently Amended) A medical material comprising a biocompatible component ~~chemically bonded~~ introduced by graft polymerization to a surface of a diamond-like carbon film formed on a surface of a base material.

3. (Original) The medical material of claim 2, wherein the biocompatible component is a polymer introduced by graft polymerization to the surface of the diamond-like carbon film.

4. (Original) The medical material of claim 3, wherein the biocompatible component is a polymer formed by grafting vinylmonomers which contain fluorine to the surface of the diamond-like carbon film.

5. (Original) The medical material of claim 3, wherein the biocompatible component is a molecule containing silicon, the molecule being grafted to the surface of the diamond-like carbon film.

6. (Canceled)

7. (Canceled)

8. (Original) The medical material of claim 2, wherein the biocompatible component contains at least one functional group selected from a group consisting of an ethylene oxide group, a hydroxy group, a phosphate group, an amino group, an amido group, a phosphorylcholine group, a sulfone group, and a carboxyl group.

9. (Original) The medical material of claim 2, wherein an intermediate layer is provided between the base material and the diamond-like carbon film to improve adhesion between the base material and the diamond-like carbon film.

10. (Original) The medical material of claim 9, wherein the intermediate layer is an amorphous film containing silicon and carbon as primary constituents.

11. (Canceled)

12. (Previously Presented) The medical material of claim 2, wherein the base material is a metal material, ceramic material, or macromolecular material, or a complex thereof.

13. (Previously Presented) A medical instrument formed by using the medical material of claim 2.

14. (Original) The medical instrument of claim 13, wherein the medical instrument is a medical instrument which is to be embedded in a living body.

15. (Original) The medical instrument of claim 14, wherein the medical instrument is a catheter, guide wire, stent, artificial cardiovalvular membrane, or artificial joint.

16-23. (Canceled)

24. (New) A medical material comprising a biocompatible component without a sugar chain covalently bonded to a surface of a diamond-like carbon film formed on a surface of a base material.

25. (New) The medical material of claim 24, wherein the biocompatible component without a sugar chain is a peptide, a protein, a nucleobase or an amino acid.

26. (New) A medical material comprising a biocompatible component without a sugar chain ionically bonded to a surface of a diamond-like carbon film formed on a surface of a base material.

27. (New) The medical material of claim 26, wherein the biocompatible component without a sugar chain is a peptide, a protein, a nucleobase or an amino acid.